

**SAF-RC-040**  
**300 Area D&D Waste Characterization**  
**Sampling - Other Solid**  
**FINAL DATA PACKAGE**

**COMPLETE COPY OF DATA PACKAGE TO:**

Renee Nielson	L1-04	<u>NB 4/20/06</u> INITIAL/DATE
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Amy Hood	L1-07	<u>NB 4/20/06</u> INITIAL/DATE
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Jeanette Duncan	H9-02	<u>NB 4/20/06</u> INITIAL/DATE
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**COMMENTS:**

**SDG** 06-A-1333 **SAF-RC-040**

Rad only   X Chem only   Rad & Chem

X Complete   Partial

**Sample Location/Waste Site: 333 Asbestos Sampling**

**RECEIVED**  
APR 28 2006  
**EDMC**



4/12/06  
Page 1 of 9




**SUBMITTED TO:**


Joan Kessner  
Washington Closure Hanford  
3190 George Washington Way, MSIN H9-02  
Richland, WA 99352

**REFERENCE DATA:**

Client Sample No.:	J11LB2 through L11LF0
P.O. No.:	Not Available
Sample Location:	300 Area D&D Waste Characterization Sampling
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	06-A-1333
DCL Sample ID No.:	06-08071 through 06-08099
Sample Receipt Date:	3/28/06
Analysis Date:	4/11/06 through 4/12/06

We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy\*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the materials analyzed and are summarized on the attached bulk asbestos analysis data sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.

  
Shawn Smythe  
Analyst

  
Anna Marie Ristich  
Reviewer

\*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NVLAP, NIST, or any agency of the federal government..

CINCINNATI OFFICE  
4388 GLENDALE-MILFORD ROAD  
CINCINNATI, OHIO 45242-3708  
513 733-5336, FAX 513 733-5347

WEST COAST OFFICE  
11 SANTA YORMA COURT  
NOVATO, CALIFORNIA 94945  
800 280-8071, FAX 415 893-9469

RC-040

4/12/06

**DataChem Laboratories  
Polarized Light Microscopy  
Asbestos Analytical Report**


Client: Washington Closure Hanford  
Location: 300 Area D&D Waste Characterization Sampling  
Set ID: 06-A-1333

Client Sample ID:	J11LB2	J11LB3	J11LB4	J11LB5	J11LB6
DCL Sample ID:	06-08071	06-08072	06-08073	06-08074	06-08075
<b>Macroscopic Examination</b>					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered	Layered	Layered
	Inseparable	Inseparable	Inseparable	Inseparable	Inseparable
Color:	Grey/Black	Yellow/Grey	Grey/Black	Yellow/Grey	Grey/Black
Texture:	Crmby/Fbrs/Resn	Fibrous	Crmby/Fbrs/Resn	Fibrous	Crmby/Fbrs/Resn
Description:	Material	Insulation	Material	Insulation	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
<b>Asbestiform Minerals</b>					
% Chrysotile:					
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	ND	ND
<b>Other Materials</b>					
% Cellulose:	>10 ≤ 20	>5 ≤ 10	>10 ≤ 20	>5 ≤ 10	>10 ≤ 20
% Fiberglass:		>80 ≤ 90		>80 ≤ 90	
% Other Fibers:					
% Resin/Binder:	>3 ≤ 5		>3 ≤ 5		>3 ≤ 5
% Non Fibrous:	>70 ≤ 80	>1 ≤ 3	>70 ≤ 80	>1 ≤ 3	>70 ≤ 80

ND = None Detected    Trace = <1%

Special Prep Procedures: None.

\*Notes: P. O. #: Not Available.

  
Shawn Smythe  
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

4/12/06

**DataChem Laboratories  
Polarized Light Microscopy  
Asbestos Analytical Report**


Client: Washington Closure Hanford  
Location: 300 Area D&D Waste Characterization Sampling  
Set ID: 06-A-1333

Client Sample ID:	J11LB7	J11LB8	J11LB8	J11LB9	J11LC0
DCL Sample ID:	06-08076	06-08077A	06-08077B	06-08078	06-08079
<b>Macroscopic Examination</b>					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered	Homog.	Homog.
	Inseparable				
Color:	Yellow/Grey	Grey	Grey	Grey	Grey
Texture:	Fibrous	Crumbly	Crumbly	Crumbly	Crumbly
Description:	Insulation	Plaster	Skimcoat	Material	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
<b>Asbestiform Minerals</b>					
% Chrysotile:					
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	ND	ND
<b>Other Materials</b>					
% Cellulose:	>5 ≤ 10				
% Fiberglass:	>80 ≤ 90				
% Other Fibers:					
% Resin/Binder:					
% Non Fibrous:	>1 ≤ 3	>90 ≤ 100	>90 ≤ 100	>90 ≤ 100	>90 ≤ 100

ND = None Detected    Trace = <1%

Special Prep Procedures: None.

\*Notes: P. O. #: Not Available.

  
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Microscopist

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4/12/06

**DataChem Laboratories  
Polarized Light Microscopy  
Asbestos Analytical Report**

Client: Washington Closure Hanford  
Location: 300 Area D&D Waste Characterization Sampling  
Set ID: 06-A-1333

Client Sample ID:	J11LC1	J11LC1	J11LC2	J11LC3	J11LC4
DCL Sample ID:	06-08080A	06-08080B	06-08081	06-08082	06-08083A
<b>Macroscopic Examination</b>					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Homog.	Layered	Layered
				Inseparable	
Color:	Grey	Grey	Green	Black/Grey	Green
Texture:	Crumbly	Crumbly	Flexible	Crumbly	Flexible
Description:	Plaster	Skimcoat	Tile	Material	Tile
Analysis:	PLM	PLM	PLM	PLM	PLM
<b>Asbestiform Minerals</b>					
% Chrysotile:				Trace	Trace
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	Trace	Trace
<b>Other Materials</b>					
% Cellulose:					
% Fiberglass:					
% Other Fibers:					
% Resin/Binder:			>20 ≤ 30		>20 ≤ 30
% Non Fibrous:	>90 ≤ 100	>90 ≤ 100	>60 ≤ 70	>90 ≤ 100	>60 ≤ 70

ND = None Detected    Trace = <1%

Special Prep Procedures: None.

\*Notes: P. O. #: Not Available.

  
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Microscopist

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4/12/06

**DataChem Laboratories**  
**Polarized Light Microscopy**  
**Asbestos Analytical Report**

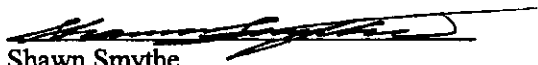
Client: Washington Closure Hanford  
 Location: 300 Area D&D Waste Characterization Sampling  
 Set ID: 06-A-1333

Client Sample ID:	J11LC4	J11LC5	J11LC6	J11LC6	J11LC7
DCL Sample ID:	06-08083B	06-08084	06-08085A	06-08085B	06-08086A
<b>Macroscopic Examination</b>					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Homog.	Layered	Layered	Layered
Color:	Black	Black	Brown	Tan	Grey
Texture:	Crumbly	Resinous	Flexible	Flexible	Flexible
Description:	Mastic	Material	Covebase	Mastic	Tile
Analysis:	PLM	PLM	PLM	PLM	PLM
<b>Asbestiform Minerals</b>					
% Chrysotile:	>1 ≤ 3	>3 ≤ 5			
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>1 ≤ 3	>3 ≤ 5	ND	ND	ND
<b>Other Materials</b>					
% Cellulose:				>1 ≤ 3	
% Fiberglass:					
% Other Fibers:					
% Resin/Binder:	>50 ≤ 60	>70 ≤ 80	>20 ≤ 30	>60 ≤ 70	>20 ≤ 30
% Non Fibrous:	>30 ≤ 40	>10 ≤ 20	>60 ≤ 70	>20 ≤ 30	>60 ≤ 70

ND = None Detected    Trace = <1%

Special Prep Procedures: None.

\*Notes: P. O. #: Not Available.

  
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 Microscopist

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4/12/06

**DataChem Laboratories  
Polarized Light Microscopy  
Asbestos Analytical Report**

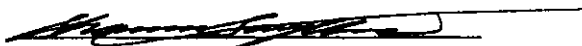
Client: Washington Closure Hanford  
Location: 300 Area D&D Waste Characterization Sampling  
Set ID: 06-A-1333

Client Sample ID:	J11LC7	J11LC8	J11LC9	J11LD0	J11LD0
DCL Sample ID:	06-08086B	06-08087	06-08088	06-08089A	06-08089B
<b>Macroscopic Examination</b>					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Homog.	Layered	Layered	Layered
Color:	Black	Grey	Inseparable	Black	Tan
Texture:	Crumbly	Fibrous	Grey/Black	Flexible	Crumbly
Description:	Mastic	Material	Crumbly	Covebase	Mastic
Analysis:	PLM	PLM	Material	PLM	PLM
<b>Asbestiform Minerals</b>					
% Chrysotile:	>1 ≤ 3		Trace		
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>1 ≤ 3	ND	Trace	ND	ND
<b>Other Materials</b>					
% Cellulose:		>20 ≤ 30			>1 ≤ 3
% Fiberglass:		>60 ≤ 70			
% Other Fibers:					
% Resin/Binder:	>70 ≤ 80			>20 ≤ 30	>60 ≤ 70
% Non Fibrous:	>10 ≤ 20		>90 ≤ 100	>60 ≤ 70	>20 ≤ 30

ND = None Detected    Trace = <1%

Special Prep Procedures: None.

\*Notes: P. O. #: Not Available.

  
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Microscopist

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4/12/06

**DataChem Laboratories**  
**Polarized Light Microscopy**  
**Asbestos Analytical Report**


Client: Washington Closure Hanford  
Location: 300 Area D&D Waste Characterization Sampling  
Set ID: 06-A-1333

Client Sample ID:	J11LD1	J11LD2	J11LD3	J11LD4	J11LD5
DCL Sample ID:	06-08090	06-08091	06-08092	06-08093	06-08094
<b>Macroscopic Examination</b>					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Homog.	Layered	Homog.	Homog.
	Inseparable		Inseparable		
Color:	Yellow/Grey	Grey	Yellow/Grey	Grey	Grey
Texture:	Fibrous	Fibrous	Fibrous	Fibrous	Fibrous
Description:	Insulation	Insulation	Insulation	Insulation	Insulation
Analysis:	PLM	PLM	PLM	PLM	PLM
<b>Asbestiform Minerals</b>					
% Chrysotile:					
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	ND	ND
<b>Other Materials</b>					
% Cellulose:	>5 ≤ 10		>5 ≤ 10		
% Fiberglass:	>80 ≤ 90	>90 ≤ 100	>80 ≤ 90	>90 ≤ 100	>90 ≤ 100
% Other Fibers:					
% Resin/Binder:					
% Non Fibrous:					

ND = None Detected    Trace = <1%

Special Prep Procedures: None.

\*Notes: P. O. #: Not Available.

  
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Microscopist

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4/12/06

**DataChem Laboratories  
Polarized Light Microscopy  
Asbestos Analytical Report**


Client: Washington Closure Hanford  
Location: 300 Area D&D Waste Characterization Sampling  
Set ID: 06-A-1333

Client Sample ID:	J11LD6	J11LD6	J11LD7	J11LD8	J11LD9
DCL Sample ID:	06-08095A	06-08095B	06-08096	06-08097	06-08098
<b>Macroscopic Examination</b>					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Homog.	Homog.	Homog.
Color:	Yellow/Grey	Grey	Grey	Grey	Grey
Texture:	Fibrous	Crmby/Fbrs	Fibrous	Fibrous	Fibrous
Description:	Insulation	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
<b>Asbestiform Minerals</b>					
% Chrysotile:		>1 ≤ 3	>30 ≤ 40	>20 ≤ 30	
% Amosite:		>5 ≤ 10			
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	>6 ≤ 13	>30 ≤ 40	>20 ≤ 30	ND
<b>Other Materials</b>					
% Cellulose:	>5 ≤ 10				
% Fiberglass:	>80 ≤ 90		>20 ≤ 30	>10 ≤ 20	>90 ≤ 100
% Other Fibers:			>10 ≤ 20	>30 ≤ 40	
% Resin/Binder:					
% Non Fibrous:		>80 ≤ 90	>5 ≤ 10	>5 ≤ 10	

ND = None Detected    Trace = <1%

Special Prep Procedures: None.

\*Notes: P. O. #: Not Available.

  
Shawn Smythe  
Microscopist

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4/12/06

**DataChem Laboratories  
Polarized Light Microscopy  
Asbestos Analytical Report**

Client: Washington Closure Hanford  
Location: 300 Area D&D Waste Characterization Sampling  
Set ID: 06-A-1333

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Client Sample ID: J11LF0  
DCL Sample ID: 06-08099

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**Macroscopic Examination**

Accepted/Rejected: Accepted  
Homogeneity: Homog.  
Color: Grey  
Texture: Fibrous  
Description: Material  
Analysis: PLM

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**Asbestiform Minerals**

% Chrysotile:  
% Amosite:  
% Crocidolite:  
% Tremolite - Actinolite:  
% Anthophyllite:  
% Total Asbestos: ND

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**Other Materials**

% Cellulose:  
% Fiberglass: >90 ≤ 100  
% Other Fibers:


% Resin/Binder:  
% Non Fibrous:

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ND = None Detected    Trace = <1%

Special Prep Procedures: None.

\*Notes: P. O. #: Not Available.

  
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Microscopist

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<b>Washington Closure Hanford</b>		<b>CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST</b>				RC-040-53		Page 1 of 6		
Collector Bill Hudson		Company Contact Scot Adams		Telephone No. 372-9869		Project Coordinator KESSNER, JH		Price Code 9K      Data Turnaround 7 Days		
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 333 Asbestos Sampling		SAF No. RC-040		Air Quality <input type="checkbox"/>				
Ice Chest No. <i>N/A FED EX BOX</i>		Field Logbook No. EL-1601		COA R333001000		Method of Shipment <i>TRE 3-27-06</i> <del>Hand deliver</del> Govt. vehicle <i>FED EX</i>				
Shipped To DataChern Laboratories - Cincinnati		Offsite Property No. <i>A060361</i>				Bill of Lading/Air Bill No. <i>SEE OSPC</i>				
<b>POSSIBLE SAMPLE HAZARDS/REMARKS</b> <i>PACM, Non-Rad; Possible Beryllium Contamination</i>  <b>Special Handling and/or Storage</b> <i>PACM, Non-Rad</i>				Preservation	None					
				Type of Container	G/P					
				No. of Container(s)	1					
				Volume	5g					
<b>SAMPLE ANALYSIS</b> <i>06-A-1333</i>				Asbestos- BULK-EPA						
Sample No.	Matrix *	Sample Date	Sample Time							
J11LB2	OTHER SOLID	3/23/06	0925	X	Run w/ J11LB4 & J11LB6	to first positive asbestos <i>08071</i>				
J11LB3	OTHER SOLID	3/23/06	0930	X	Run w/ J11LB5 & J11LB7	to first positive asbestos <i>08072</i>				
J11LB4	OTHER SOLID	3/23/06	0935	X	Run w/ J11LB2 & J11LB6	to first positive asbestos <i>08073</i>				
J11LB5	OTHER SOLID	3/23/06	0940	X	Run w/ J11LB3 & J11LB7	to first positive asbestos <i>08074</i>				
J11LB6	OTHER SOLID	3/23/06	0942	X	Run w/ J11LB2 & J11LB4	to first positive asbestos <i>08075</i>				
<b>CHAIN OF POSSESSION</b>				<b>Sign/Print Names</b>		<b>SPECIAL INSTRUCTIONS</b>				
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Matrix * S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Dross Solids DL=Dross Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other		
<i>Bill Hudson</i>		<i>3/23/06 1510</i>		<i>3728A2B</i>		<i>3/23/06 1510</i>				
<i>3728A2B</i>		<i>3-27-06 0945</i>		<i>T.P. Edmundson</i>		<i>3-27-06 0945</i>				
<i>WCH</i>		<i>3-27-06/1500</i>		<i>FED EX</i>						
<i>ER</i>		<i>3/28/06 10:00</i>		<i>WCH</i>						
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Personnel not available to Relinquish samples from 3728 Ref # <i>2B</i> on <i>3/27/06</i>		
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time				
LABORATORY SECTION		Received By <i>WCH</i>		Title <i>ASO</i>		Date/Time <i>3/28/06 10:00</i>				
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time				

<b>Washington Closure Hanford</b>		<b>CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST</b>				<b>RC-040-53</b>		Page 2 of 6		
Collector Bill Hudson		Company Contact Scot Adams		Telephone No. 372-9869		Project Coordinator KESSNER, JH		Price Code <b>9K</b> Data Turnaround		
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 333 Asbestos Sampling		SAF No. RC-040		Air Quality <input type="checkbox"/>		<b>7 Days</b>		
Ice Chest No. <i>N/A FED EX BOX</i>		Field Logbook No. EL-1601		COA R333001000		Method of Shipment <i>7-27-06</i> <del>Hand-deliver</del> <i>FED EX</i>				
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <i>A060361</i>				Bill of Lading/Air Bill No. <i>SEE OSPL</i>				
<b>POSSIBLE SAMPLE HAZARDS/REMARKS</b> <i>PACM, Non-Rad; Possible Beryllium Contamination</i>  <b>Special Handling and/or Storage</b> <i>PACM, Non-Rad</i>				Preservation	None					
				Type of Container	G/P					
				No. of Container(s)	1					
				Volume	5g					
<b>SAMPLE ANALYSIS</b>  <div style="text-align: center; font-size: 1.5em; font-family: cursive;">06-A-1333</div>					Asbestos-BULK-EPA					
Sample No.	Matrix *	Sample Date	Sample Time							
J11LB7	OTHER SOLID	3/23/06	0945	X	Run w/ J11LB3 & JULB5 to first positive Asbestos				08076	
J11LB8	OTHER SOLID	3/23/06	0950	X	2 phase media phase analyze both				08077	
J11LB9	OTHER SOLID	3/23/06	0952	X					08078	
J11LC0	OTHER SOLID	3/23/06	0955	X					08079	
J11LC1	OTHER SOLID	3/23/06	0958	X					08080	
<b>CHAIN OF POSSESSION</b>					<b>SPECIAL INSTRUCTIONS</b>					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Matrix * S=Soil SE=Sediment SD=Solid Sl=Sledge W = Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other		
<i>HUDSON B</i>		<i>3/23/06 1510</i>		<i>3728 #23</i>		<i>3/23/06 1510</i>				
<i>3728 #2B</i>		<i>3-27-06 0945</i>		<i>J.P. Stauden</i>		<i>3-27-06 0945</i>				
<i>J.P. Stauden</i>		<i>3-27-06 1500</i>		<i>FED EX</i>						
<i>FED EX</i>		<i>3/28/06 12:00</i>		<i>CS</i>		<i>3/28/06 12:00</i>				
Relinquished By/Removed From Received By/Stored In Date/Time Date/Time					Personnel not available to Relinquish samples from 3728 Ref # <i>2B</i> on <i>3-27-06</i>					
<b>LABORATORY SECTION</b>		Received By <i>WR</i>		Title <i>RSD</i>		Date/Time <i>3/28/06 10:00</i>				
<b>FINAL SAMPLE DISPOSITION</b>		Disposal Method		Disposed By		Date/Time				

<b>Washington Closure Hanford</b>		<b>CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST</b>				RC-040-53		Page 3 of 6							
Collector Bill Hudson		Company Contact Scot Adams		Telephone No. 372-9869		Project Coordinator KESSNER, JH		Price Code 9K      Data Turnaround 7 Days							
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 333 Asbestos Sampling		SAF No. RC-040		Air Quality <input type="checkbox"/>									
Ice Chest No. <i>N/A FED EX BOX</i>		Field Logbook No. EL-1601		COA R333001000		Method of Shipment <i>TRE 3-27-06</i> <del>Hand deliver</del> <del>Govt vehicle</del> <i>FED EX</i>									
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <i>A060361</i>				Bill of Lading/Air Bill No. <i>SEE OSPC</i>									
<b>POSSIBLE SAMPLE HAZARDS/REMARKS</b> <i>PACM, Non-Rad; Possible Beryllium Contamination</i>  <b>Special Handling and/or Storage</b> <i>PACM, Non-Rad</i>				Preservation	None										
				Type of Container	G/P										
				No. of Container(s)	1										
				Volume	5g										
<b>SAMPLE ANALYSIS</b>  <div style="text-align: center; font-size: 1.5em;"><i>OLC-A 1333</i></div>				Asbestos-BULK-EPA											
Sample No.	Matrix *	Sample Date	Sample Time												
J11LC2	OTHER SOLID	3/23/06	1010	X									<i>08081</i>		
J11LC3	OTHER SOLID	3/23/06	1012	X									<i>P8082</i>		
J11LC4	OTHER SOLID	3/23/06	1015	X	<i>2 phase media - please analyze both</i>							<i>08083</i>			
J11LC5	OTHER SOLID	3/23/06	1015	X									<i>08084</i>		
J11LC6	OTHER SOLID	3/23/06	1030	X									<i>08085</i>		
<b>CHAIN OF POSSESSION</b>				<b>Sign/Print Names</b>				<b>SPECIAL INSTRUCTIONS</b>  Personnel not available to relinquish samples from 3728 Ref # <i>28</i> on <i>3-27-06</i>				<b>Matrix *</b> S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Dry Solids DL=Dry Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time									
<i>Bill Hudson</i>		<i>3/23/06 1510</i>		<i>3728 #28</i>		<i>3/23/06 1510</i>									
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time									
<i>3728 #28</i>		<i>3-27-06 0945</i>		<i>J.R. Hudson</i>		<i>3-27-06 0945</i>									
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time									
<i>J.R. Hudson</i>		<i>3-27-06/1500</i>		<i>FED EX</i>											
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time									
<i>FED EX</i>				<i>Ch</i>		<i>3/28/06 10:00</i>									
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time									
LABORATORY SECTION		Received By <i>Ch</i>		Title <i>RCSD</i>		Date/Time <i>3/28/06 10:00</i>									
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time									

<b>Washington Closure Hanford</b>		<b>CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST</b>				RC-040-53		Page 4 of 6	
Collector Bill Hudson		Company Contact Scot Adams		Telephone No. 372-9869		Project Coordinator KESSNER, JH		Price Code 9K      Data Turnaround 7 Days	
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 333 Asbestos Sampling		SAF No. RC-040		Air Quality <input type="checkbox"/>			
Ice Chest No. <i>N/A FED EX BOX</i>		Field Logbook No. EL-1601		COA R333001000		Method of Shipment <i>TR 3-27-06</i> <del>Hand-deliver</del> <i>FED EX</i> <del>Govt vehicle</del>			
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <i>A060361</i>				Bill of Lading/Air Bill No. <i>SEE OSPC</i>			
<b>POSSIBLE SAMPLE HAZARDS/REMARKS</b> <i>PACM, Non-Rad; Possible Beryllium Contamination</i>  <b>Special Handling and/or Storage</b> <i>PACM, Non-Rad</i>					Preservation		None		
					Type of Container		G/P		
					No. of Container(s)		1		
					Volume		5g		
<b>SAMPLE ANALYSIS</b> <div style="text-align: center; font-size: 1.5em; font-family: cursive;">060-A-1333</div>					Asbestos-BULK-EPA				
Sample No.	Matrix *	Sample Date	Sample Time						
J11LC7	OTHER SOLID	3/23/06	1032	X					08086
J11LC8	OTHER SOLID	3/23/06	1005	X					08087
J11LC9	OTHER SOLID	3/23/06	1040	X					08088
J11LD0	OTHER SOLID	3/23/06	1050	X	<i>2 phase media, please analyze both</i>				08089
J11LD1	OTHER SOLID	3/23/06	1245	X					08090
<b>CHAIN OF POSSESSION</b>					<b>SPECIAL INSTRUCTIONS</b>				
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Matrix * S=Soil SB=Sediment SD=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue W=Wipe L=Liquid V=Vegetation X=Other	
<i>BAUDSON Hudson</i>		<i>3/23/06 1510</i>		<i>3728 #28</i>		<i>3/23/06 1510</i>			
<i>3728 #28</i>		<i>3-27-06 0945</i>		<i>3728 #28</i>		<i>3-27-06 0945</i>			
<i>WCH</i>		<i>3-27-06/1500</i>		<i>FED EX</i>					
<i>FED EX</i>				<i>3728/06 1000</i>					
Relinquished By/Removed From _____ Date/Time _____ Received By/Stored In _____ Date/Time _____ Relinquished By/Removed From _____ Date/Time _____ Received By/Stored In _____ Date/Time _____ Relinquished By/Removed From _____ Date/Time _____ Received By/Stored In _____ Date/Time _____					Personnel not available to Relinquish samples from 3728 Ref # <i>28</i> on <i>3-27-06</i>				
<b>LABORATORY SECTION</b>		Received By <i>[Signature]</i> Date/Time <i>3/28/06 10:00</i> Disposed By _____ Date/Time _____							
<b>FINAL SAMPLE DISPOSITION</b>		Disposal Method _____ Date/Time _____							

<b>Washington Closure Hanford</b>		<b>CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST</b>				<b>RC-040-53</b>		Page 5 of 6							
Collector Bill Hudson		Company Contact Scot Adams		Telephone No. 372-9869		Project Coordinator KESSNER, JH		Price Code <b>9K</b> Data Turnaround <b>7 Days</b>							
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 333 Asbestos Sampling		SAF No. RC-040		Air Quality <input type="checkbox"/>									
Ice Chest No. <i>N/A FEDEX BOX</i>		Field Logbook No. EL-1601		COA R333001000		Method of Shipment <i>TRG 327.06</i> <del>Hand deliver</del> <i>Govt vehicle</i> <i>FED EX</i>									
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <i>A060361</i>				Bill of Lading/Air Bill No. <i>SEE OSC</i>									
<b>POSSIBLE SAMPLE HAZARDS/REMARKS</b> <i>PACM, Non-Rad; Possible Beryllium Contamination</i>  <b>Special Handling and/or Storage</b> <i>PACM, Non-Rad</i>				Preservation	None										
				Type of Container	G/P										
				No. of Container(s)	1										
				Volume	5g										
<b>SAMPLE ANALYSIS</b> <div style="text-align: center; font-size: 1.5em; font-family: cursive;">Ole-A-1333</div>				Asbestos-BULK-EPA											
Sample No.	Matrix *	Sample Date	Sample Time												
J11LD2	OTHER SOLID	3/23/06	1218	X									08091		
J11LD3	OTHER SOLID	3/23/06	1225	X									08092		
J11LD4	OTHER SOLID	3/23/06	1230	X									08093		
J11LD5	OTHER SOLID	3/23/06	1235	X									08094		
J11LD6	OTHER SOLID	3/23/06	1240	X									08095		
<b>CHAIN OF POSSESSION</b>				<b>Sign/Print Names</b>				<b>SPECIAL INSTRUCTIONS</b>				<b>Matrix *</b>			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Personnel not available to relinquish samples from 3728 Ref #28 on 3/27/06				S=Soil SE=Sediment SO=Solid SI=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Time W=Wipe L=Liquid V=Vegetation X=Other			
<i>HUDSON Hudson</i>		1510		<i>3728 #28</i>		3/23/06 1510									
<i>3728 #28</i>		3-27-06 0945		<i>JR. Edmundson</i>		3-27-06 0945									
<i>WCH</i>				<i>FED EX</i>											
<i>JR. Edmundson</i>		3/27/06 1500		<i>FED EX</i>											
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time									
<i>FED EX</i>				<i>JR</i>		3/28/06 10:00									
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time									
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time									
<b>LABORATORY SECTION</b>		Received By		Date/Time		Disposal Method		Disposed By		Date/Time					
		<i>On</i>		<i>1250</i>						<i>3/28/06 10:00</i>					
<b>FINAL SAMPLE DISPOSITION</b>															

<b>Washington Closure Hanford</b>		<b>CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST</b>				<b>RC-040-53</b>		Page 6 of 6							
Collector Bill Hudson		Company Contact Scot Adams		Telephone No. 372-9869		Project Coordinator KESSNER, JH		Price Code 9K      Data Turnaround 7 Days							
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 333 Asbestos Sampling		SAF No. RC-040		Air Quality <input type="checkbox"/>									
Ice Chest No. <i>N/A FED EX BOX</i>		Field Logbook No. EL-1601		COA R333001000		Method of Shipment <i>T&amp;E 3-27-06</i> <del>Hand-deliver Govt vehicle</del> <i>FED EX</i>									
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <i>A060361</i>				Bill of Lading/Air Bill No. <i>SEE OSPC</i>									
<b>POSSIBLE SAMPLE HAZARDS/REMARKS</b> <i>PACM, Non-Rad; Possible Beryllium Contamination</i>  <b>Special Handling and/or Storage</b> <i>PACM, Non-Rad</i>				Preservation	None										
				Type of Container	G/P										
				No. of Container(s)	1										
				Volume	5g										
<b>SAMPLE ANALYSIS</b>  <div style="font-size: 2em; text-align: center;"><i>06-A-1333</i></div>				Asbestos-BULK-EPA											
Sample No.	Matrix *	Sample Date	Sample Time												
J11LD7	OTHER SOLID	<i>3/23/06</i>	<i>1242</i>	<i>X</i>									<i>08096</i>		
J11LD8	OTHER SOLID	<i>3/23/06</i>	<i>1245</i>	<i>X</i>									<i>08097</i>		
J11LD9	OTHER SOLID	<i>3/23/06</i>	<i>1248</i>	<i>X</i>									<i>08098</i>		
J11LF0	OTHER SOLID	<i>3/23/06</i>	<i>1310</i>	<i>X</i>									<i>08099</i>		
<del>J11LF1</del>	<del>OTHER SOLID</del>	<del><i>BH 3/23/06</i></del>		<i>X</i>											
<b>CHAIN OF POSSESSION</b>				<b>Sign/Print Names</b>				<b>SPECIAL INSTRUCTIONS</b>  Personnel not available to Relinquish samples from 3728 Ref # <i>28</i> on <i>3/27/06</i>				<b>Matrix *</b> S=Soil SE=Sediment SO=Solid SL=Sediment W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Time WI=Wipe L=Liquid V=Vegetation X=Other			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time									
<i>BHudson</i>		<i>3/23/06 1510</i>		<i>3728+2B</i>		<i>3/23/06 1510</i>									
<i>3728+2B</i>		<i>3-27-06 0945</i>		<i>JR Blumstein</i>		<i>3-27-06 0945</i>									
<i>WCH</i>		<i>3-27-06 1500</i>		<i>FED EX</i>											
<i>FED EX</i>				<i>WCH</i>		<i>3/28/06 10:00</i>									
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time									
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time									
LABORATORY SECTION		Received By		Title		Date/Time									
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time									